ABSTRACT

Oxygen scavenging barrier polyamide compositions exhibiting high oxygen scavenging capability as well as good coinjection stretch blow moldability characteristics suitable for making multilayer PET bottles with good clarity and delamination resistance are claimed in this invention. The polyamide compositions of this invention comprise a slow crystallizing polyamide blend comprising (i) an amorphous, semiaromatic polyamide homopolymer, copolymer or mixture thereof and (ii) a semicrystalline, aliphatic polyamide homopolymer, copolymer or mixture thereof wherein in the weight ratio of (i):(ii) ranges from about 99:1 to about 30:70; at least one polyamide-compatible, oxidizable polydiene; and at least one oxidation promoting metal salt catalyst. The multilayer PET bottles, made with the polyamide compositions of this invention as the barrier layer, are suitable for extended shelf-life packaging of oxygen-sensitive food and beverage products such as beer and juices.

#138608